

## ABSTRACT

An electromagnetic wave irradiation tool encompasses a narrow tube  
5 (endoscope probe) (7) defined by an outside diameter of 0.1 mm - 20 mm,  
having an electromagnetic wave irradiation terminal (3) configured to  
irradiate an electromagnetic wave (2) having a frequency equal to a  
characteristic frequency of a microorganism (11) at the top of the narrow  
tube (7) and an electromagnetic wave generation unit (3) configured to  
10 generate the electromagnetic wave (2) and to supply the electromagnetic  
wave (2) to the electromagnetic wave irradiation terminal (3). The  
electromagnetic wave irradiation tool drives the microorganism (11) into  
a resonant vibration state selectively so that the microorganism (11) can  
be destroyed, without giving damages to biological body (1) for medically  
15 treating the disease induced by the microorganism (11).